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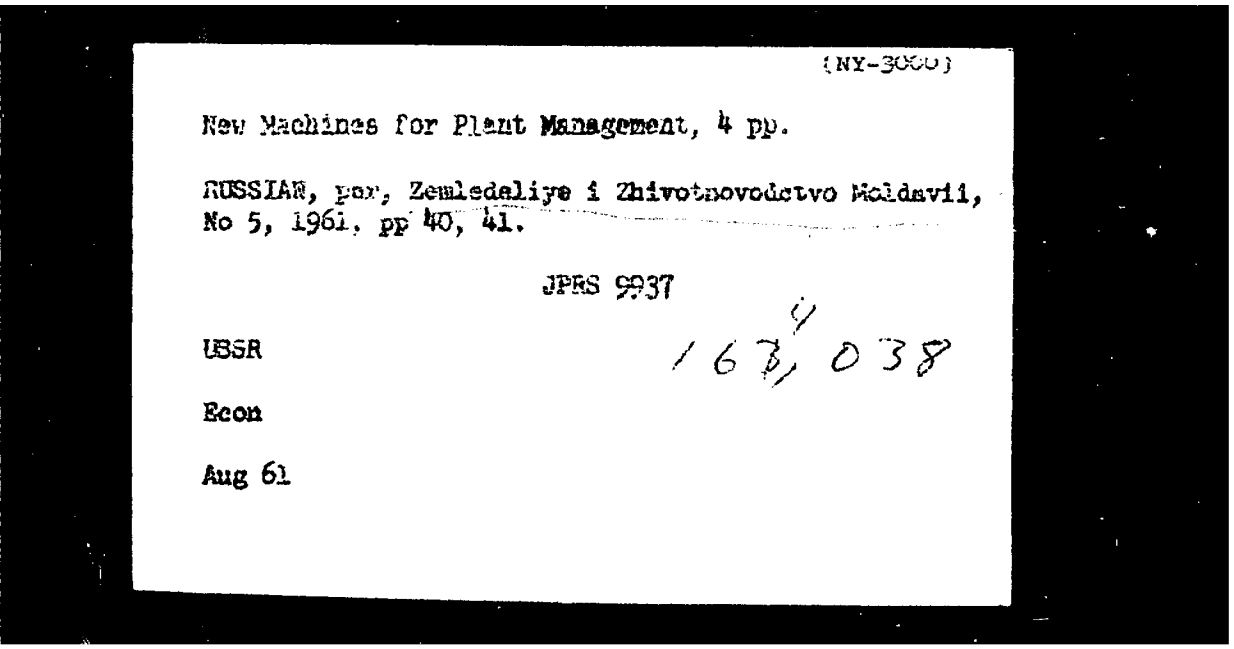

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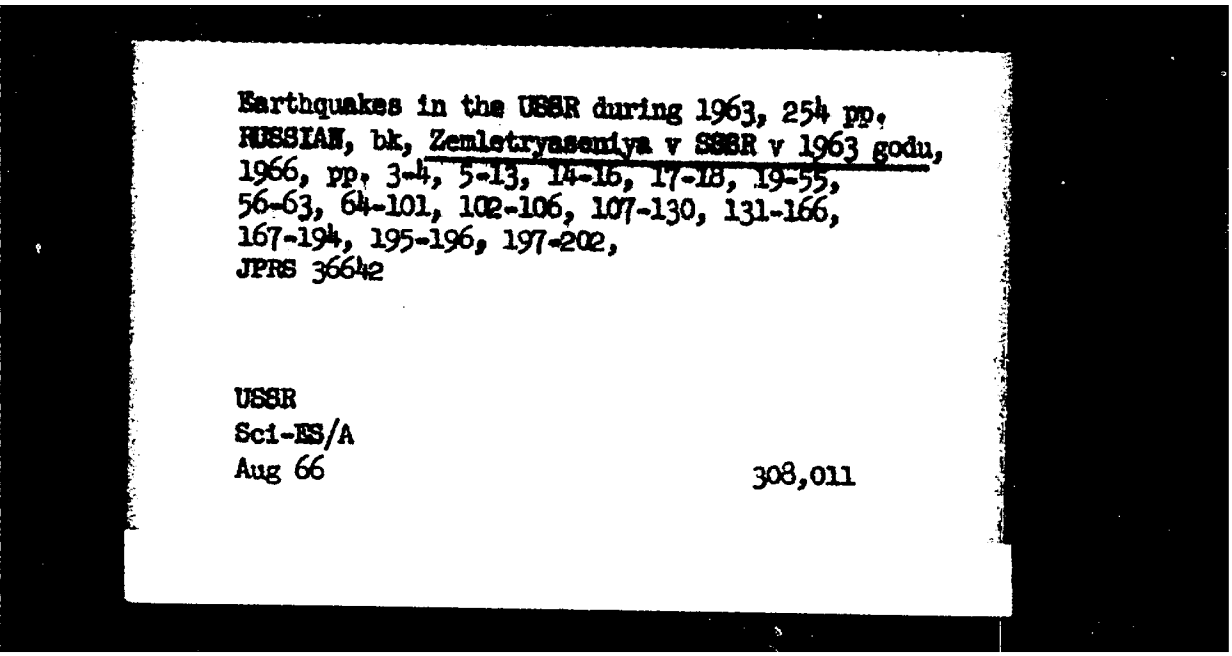

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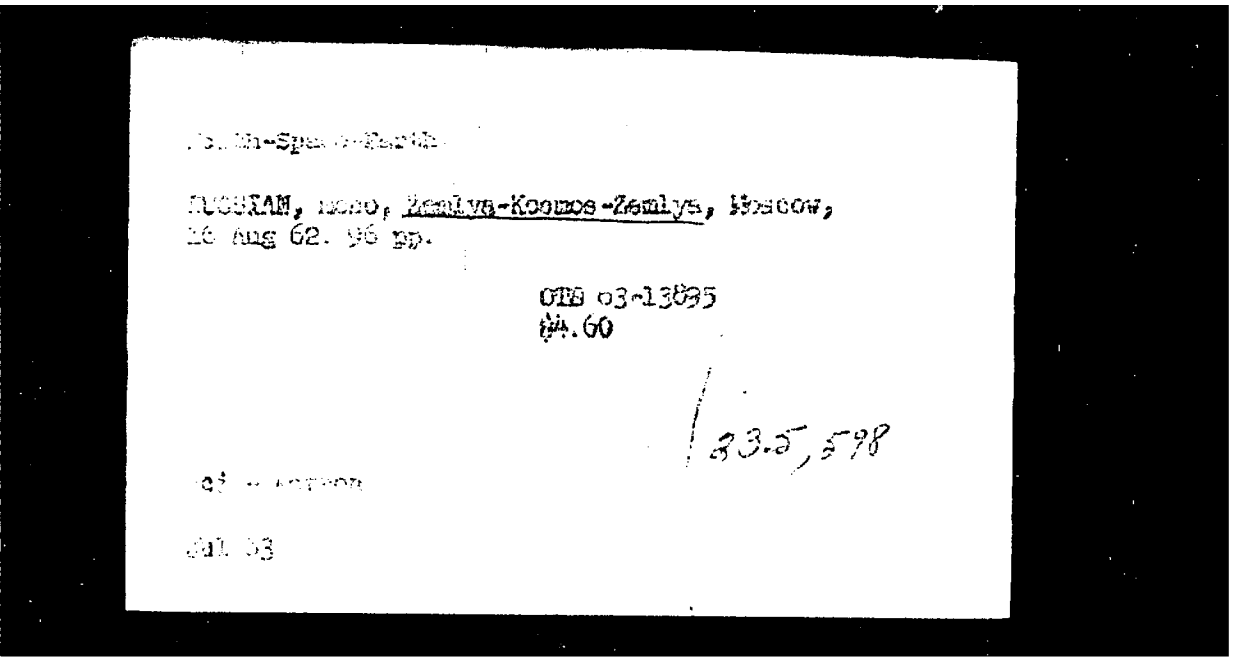

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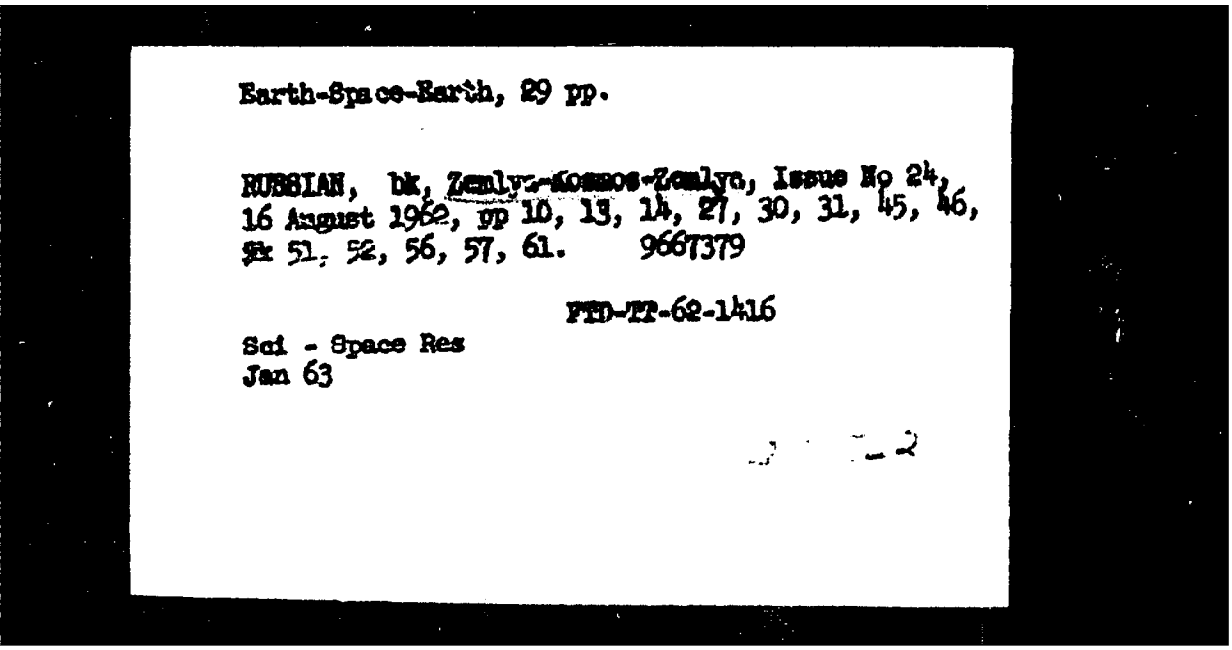

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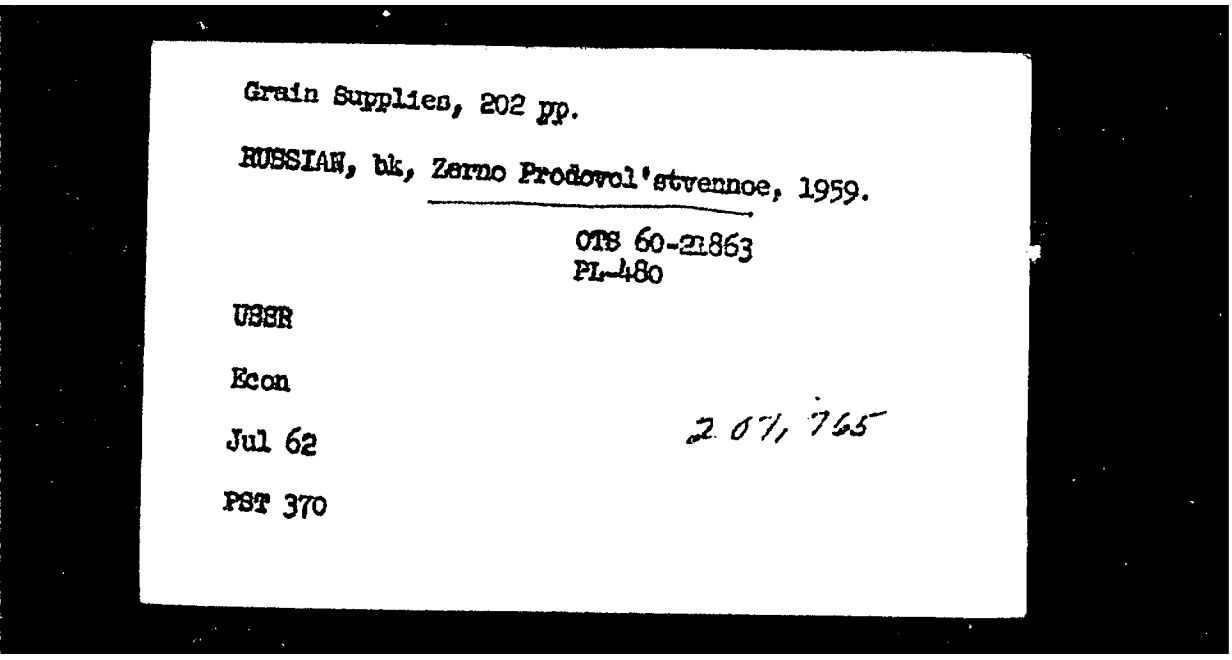

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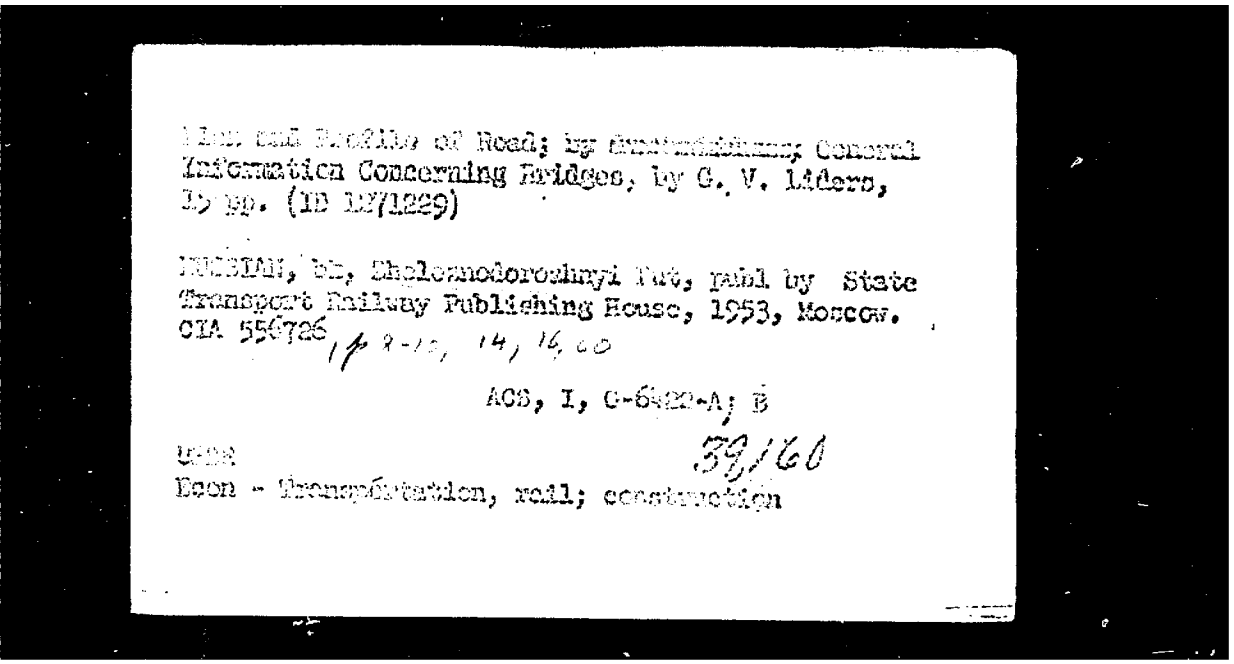

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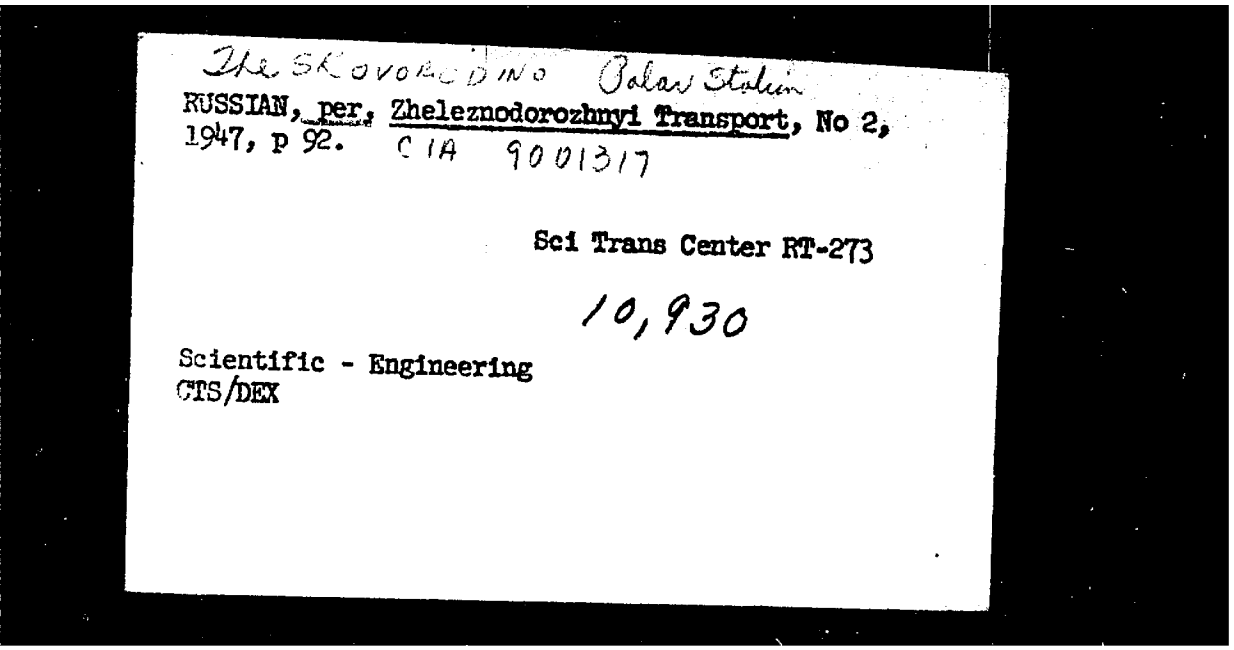

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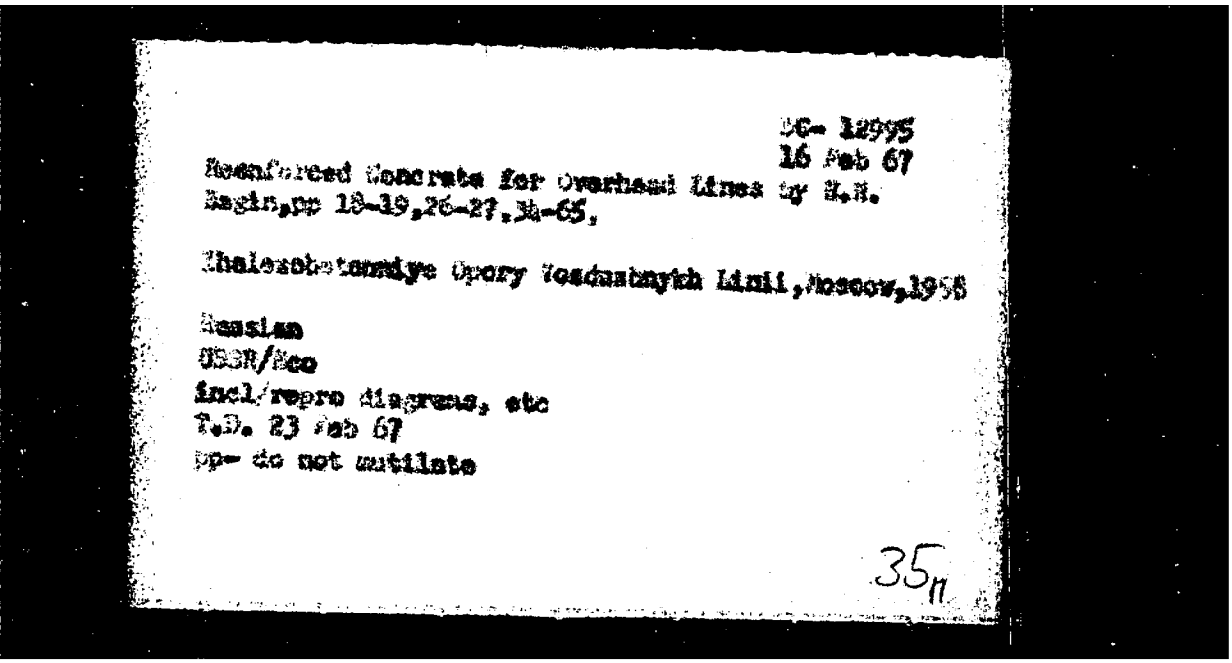

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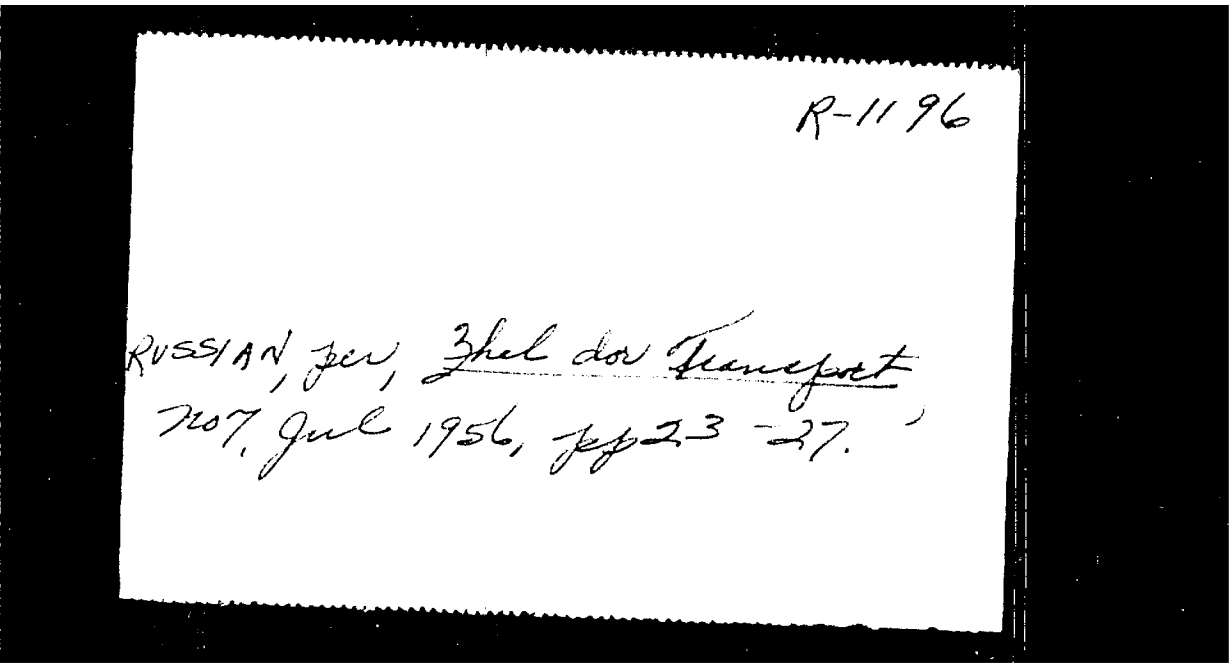

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(FDD 30316)

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Order from LC or SLA mi$1.80, ph$1.80 61-15404

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The simulator solves the differential equation of motion $(d^2s/dt^2) = 10^{-3}g'[\pm i_r - (w''_o \pm w_{med}) - w_b]$, where i_r is the reduced profile of the hump in percent (minus for an up-gradient, plus for a down gradient); w''_o is the amount of basic specific resistance to movement of a waggon in kg/ton; w_{med} is the amount of specific resistance of the medium and wind in kg/ton; g' is the acceleration of gravity allowing for the inertia of the rotating masses of a waggon in m/sec^2; s is the track in meters; and t is time in seconds.

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Office of Technical Services

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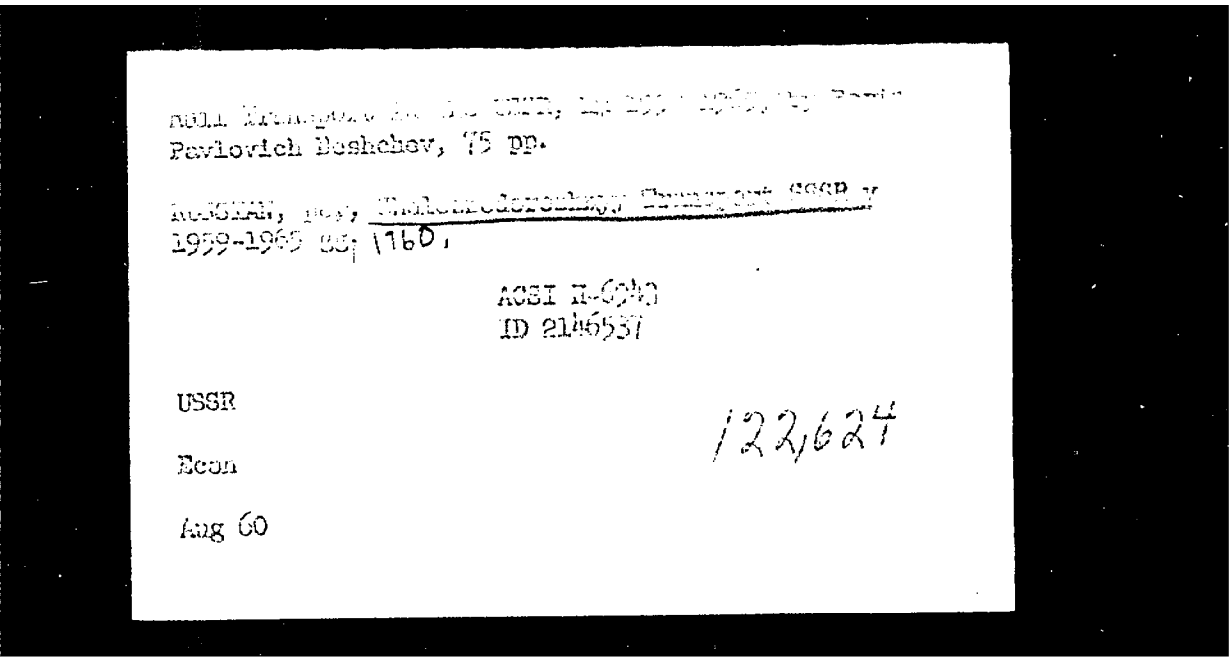

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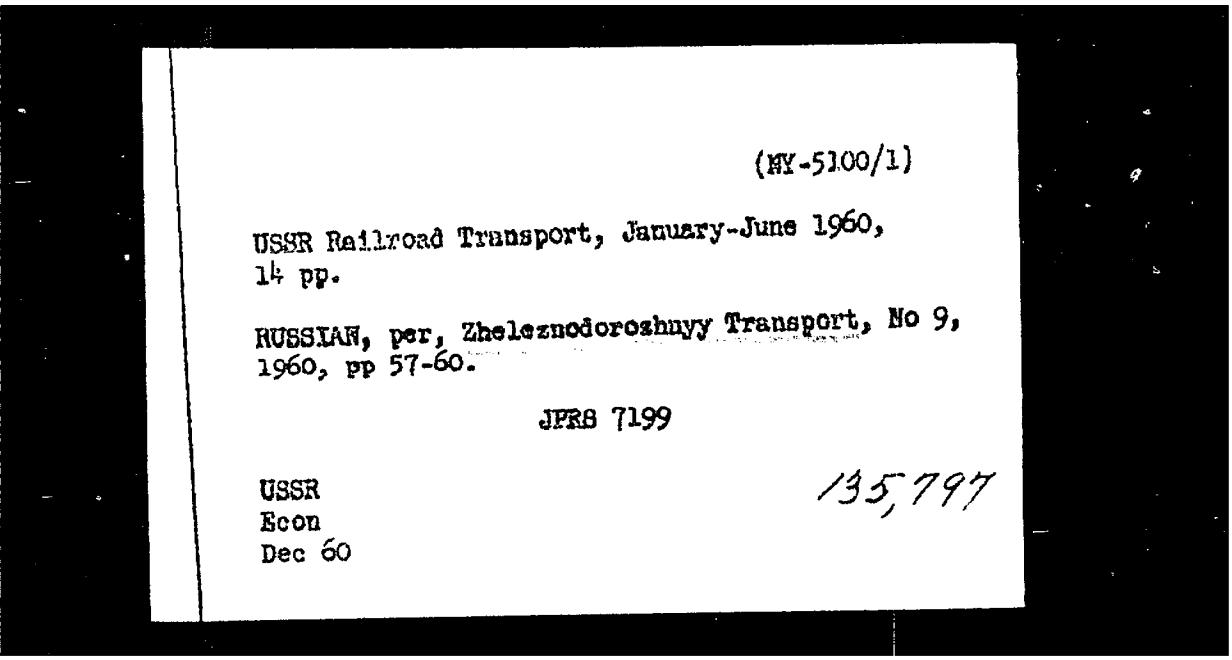

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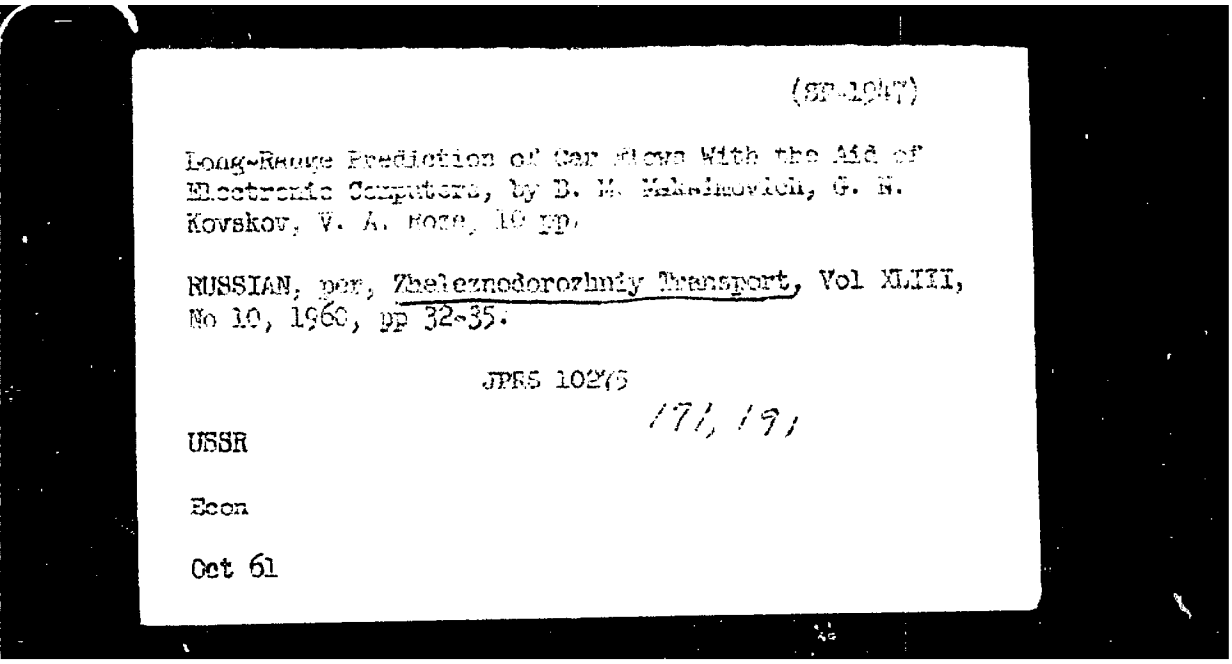

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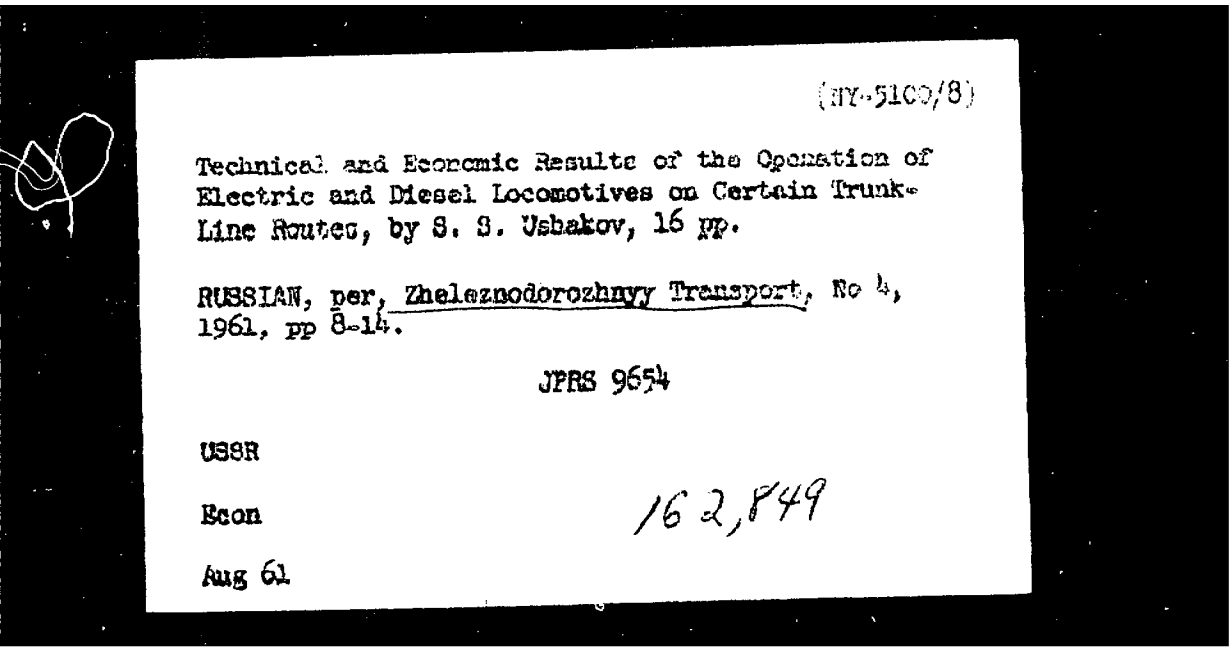

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